

27 AUG 1982

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DCI/ICS 82-3857

26 August 1982

DATE - 24

MEMORANDUM FOR THE RECORD

FROM:

[REDACTED]

Deputy Director, Office of Assessment and Evaluation

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SUBJECT: SIG (Space) Working Group Meeting, 25 August 1982

Draft Terms of Reference: [REDACTED] gave out a new version of the Draft Terms of Reference (Attachment A) and received general agreement on this latest version.

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Issues:

1. NASA gave out a revised version of the space station issue (Attachment B). There was a great deal of philosophical discussion on whether or not this was a policy or programmatic issue. Naturally enough, OMB argued that it was a programmatic issue and could be dealt with during the normal budget review process. DoD backed OMB on this view [REDACTED] continues to maintain that an issue of this magnitude needs to be addressed by the SIG (Space). Specific guidance for revising the issue write-up to make it appear less programmatic was given out.
2. NASA gave out a revised version of the future space launch capabilities issue (Attachment C). Again, there was a philosophical discussion of whether or not it was a policy or a programmatic issue. A number of agency representatives, including myself, commented that Item c (relating to a near-term decision on the production of a fifth orbiter) was inappropriate and should be deleted from the issue write-up. DoD also received an action to draft language relative to development of policy on foreign launch capabilities.
3. The State representative gave out a revised write-up on the policy implications of civil remote sensing satellite activities (Attachment D). The approach that was outlined was accepted with some minor revisions.

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Next Steps: The recommended changes to the issue statements will be made and will be sent out for agency review prior to the SIG (Space) meeting which [REDACTED] is still targeting for September.

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NOTE: [] (SAFSS) and Tom Maultsby (OUSD/Policy) worked closely with the State Department representatives on the draft of the civil remote sensing issue. They had gone over this write-up and those for the other issues with me prior to the meeting.

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Attachments: (4)

- A. Draft Terms of Reference
- B. Space Station Issue
- C. Future Space Launch Issue
- D. Civil Remote Sensing Issue

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Attachment BISSUE

Should there be permanently-based manned space station and if so when.

APPROACH

The approach proposed by NASA establishing such a program is through the phased project planning approach used for planning and executing other NASA activities. In general, Phase A of this approach is mission analysis and mission definition. Phase B is system definition, and Phase C & D (the new start phase) are development and test and operation or evaluation, respectively.

NASA has the lead Working Group responsibility within the proposed SIG operating structure for this activity and has already established other coordination mechanisms with the civil science and applications communities, Air Force, and the Department of Defense. Assignment to lead the NASA Task Force activity within NASA has been made to Mr. John D. Hodge who will also be assigned as the NASA lead on this SIG Working Group. Final report to the SIG will constitute the basis for a SIG recommendations on this issue.

WORKING GROUP COMPOSITION

NASA (lead), DoD, DoC, DCI, DoS, ACDA, JCS, OMB, OSTP, OVP, as desired.

TENTATIVE PROGRAM MILESTONES

Complete Phase A	March 1983
Complete Program Description Document	October 1983
Complete Phase B	October 1985
Initiate Phase C - D (New Start Approval)	FY 1986
First Launch	1990

WORKING GROUP STUDY MILESTONES (SIG)

Initial SIG Working Group briefing-approximately September 1982, after issue approval.

Periodic Work Group status briefings - as required.

Report to SIG - November 1983 (basic program commitment).

Subsequent reports to SIG as required.

SIG (SPACE) WORKING GROUP MEETING

25 August 1982

ISSUES

Determine future national space launch capabilities required to satisfy civil and national security requirements and assess the policy implications.

DISCUSSION

NSDD-42 states that the first priority of the STS is to make the system fully operational and cost-effective; these concepts must be defined in terms of system capability to establish program base-lines. Other policy issues, such as the commercialization of ELVs, may be in direct conflict with the most cost-effective STS operations; foreign launch competition will impact any US launch posture. A systematic interagency review of the relevant issues and factors is required.

Recommend that the SIG (Space) charter a working group to prepare the coordinated position papers necessary to fully understand the issues and policy options. At the conclusion of this effort, the reports will be presented to the IG (Space) for review. If the resulting issues can be resolved within the normal staffing process, the coordinated recommendations will be presented to the SIG (Space) for ratification; if any issues develop that cannot be resolved, they will be presented to the SIG (Space) for resolution.

APPROACH

The following joint tasks should be accomplished under joint NASA/DoD direction:

A. Develop a working definition of a fully operational STS within the context of the currently approved STS program. Launch rates, fleet size, performance, facilities, logistics, upper stages, and other factors will be considered in developing the definition. (NASA/DoD/DCI/DoC; 1 Oct - 1 Feb)

B. Determine the optimum economic operating conditions for the STS; evaluate how those conditions relate to the currently approved STS program; consider these conditions and other related background material as appropriate to understand the relative cost-effectiveness of the planned STS. This review will consider factors similar to those used to define a fully operational STS

in developing a set of economic references that can be used to provide a working definition of cost-effective STS operations. (NASA/DoD/DCI/DoC; 1 Dec - 1 Apr)

C. Because of timing, certain issues within the categories above should be addressed immediately. The primary issue is the development of an administration position on the production of the fifth orbiter. The first task of the group will be to review the appropriate issues and develop a recommended position in time to influence the FY 1984 budget submission.

D. Evaluate projections of US national security, civil government, and commercial/foreign launch needs and evaluate them against approved and projected STS and ELV capabilities. (Joint NASA/DoD/DCI/DoC; 1 Apr - 1 Aug)

E. Based upon the understandings developed above and other appropriate data, review and assess the US launch posture, assess the impact of foreign launch competition and potential US private sector launch operations on the US launch posture, and recommend policy alternatives as required to resolve identified policy issues. Determine if US Government support of domestic commercial ventures and/or foreign launch vehicle developments is in the US national interest. Identify the spectrum of options and recommend policies to support the preferred US position. (NASA/DoD/DCI/DoC/others as desired; 1 Jul - 1 Sep)

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